



KLINGER TOP-CHEM 2000



Premium grade, heavy-duty PTFE gasket suitable for a wide range of applications within the chemical and petrochemical industries. The only PTFE based gasket material on the market to hold fire safe approval.

The Klinger group has been recognised as the market leader in gaskets and sealing for over a century. Our research and development laboratories have investigated over 250 different fibre forms in the search for asbestos free alternatives. The search has resulted in a range of high quality and high performance asbestos free materials that have been proven in service.

GENERAL PROPERTIES

- » Excellent sealing at high temperatures and pressures
- » Ideal for aggressive chemicals
- » Easy to handle and cut
- » Firesafe
- » Creep Resistant

TESTS AND CERTIFICATIONS

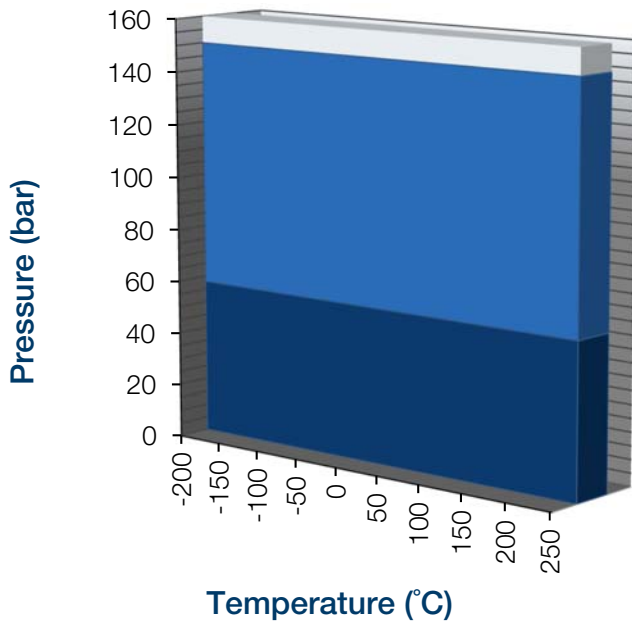
- » Firesafe ISO EN ISO 10497
- » BAM Approval for use with oxygen 100 bar / 200°C
- » KTW -Guideline
- » DIN DVGW
- » DIN DVGW W 270
- » FDA Conformity
- » TA Luft (Clean air)
- » Regulation (EU) No. 1935/2004

AVAILABILITY

- » Sheeting (m): 1.5 x 1.5*
- » Thickness (mm): 1.0, 1.5, 2.0, 3.0

* Can be welded to form gaskets larger than sheet size

TOP-CHEM 2000



■ Caution: May be suitable but essential that you refer to Klinger for advice

■ Usually Satisfactory, but suggest you refer to Klinger for advice

■ Usually Satisfactory to Use Without Reference

NOTE: Chemical compatibility must be considered in all cases.

TYPICAL SPECIFICATIONS

(Typical values for 2.0mm thick material)

PROPERTIES	CONDITIONS	VALUES
Compressibility ASTM F 36 J		4%
Recovery ASTM F 36 J		50%
Stress relaxation DIN 52913	50MPa, 16h/260°C	36MPa
	30MPa, 16h/150°C	28MPa
Klinger cold/hot compression (25MPa)	Thickness decrease at 23°C	5%
	Thickness decrease at 260°C	11%
Tightness	DIN 28090-2	0.08 mg/s.m
Thickness increase after fluid immersion ASTM F 146	H ₂ SO ₄ 100%, 18h/23°C	1%
	HNO ₃ 100%, 18h/23°C	1%
	NaOH 33%, 72h/110°C	1%
Density		2.5g/cm ³

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KLINGER ABERDEEN

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Fax: 01224 772 953

KLINGER IMMINGHAM

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KLINGER MIDDLESBROUGH

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FM 602916

FM 10571

OHS 570166

EMS 570165